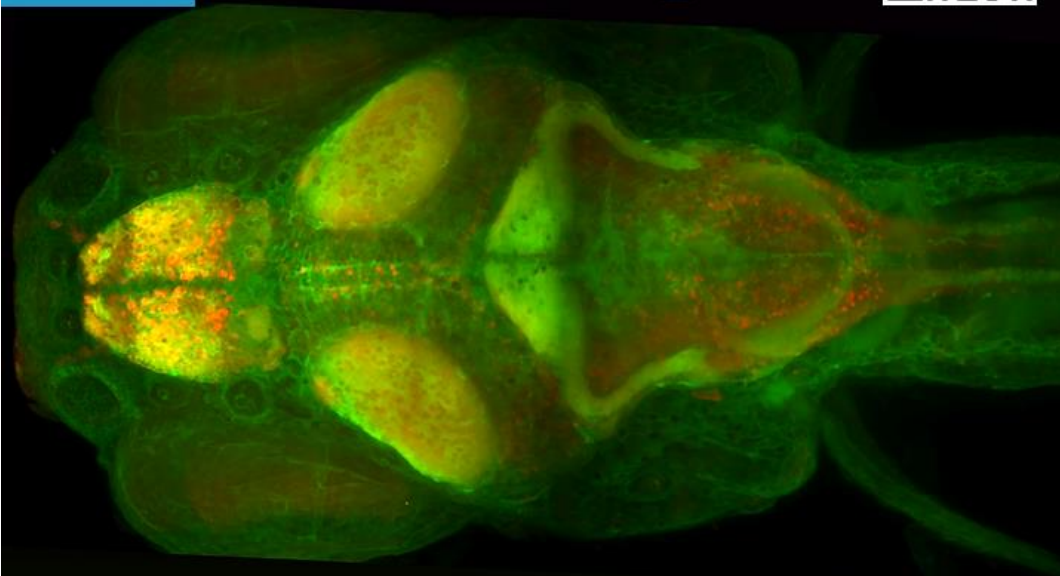


4^{ème}
Journée



Lyon Multiscale Imaging Center

Faculté Rockefeller
13 octobre 2021



From fluorescence microscopy to analysis challenges of large 3D objects

Inscription gratuite et obligatoire sur lymic.univ-lyon1.fr



4^{ème} journée du LyMIC

- 9h00 **Clarification & microscopy: from basics to advanced methods**
France Lam (UPMC Sorbonne, Paris)
- 9h45 **Adaptative confocal microscopy for imaging large object**
Antoine Delon (LiPhy, Grenoble)
- 10h25 **Break**
- 10h45 **Image size, good practices for sampling consideration, size reduction, image compression**
Lydia Danglot (Institut de Psychiatrie et de Neurosciences de Paris)
- 11h30 **3D imaging after clearing: theory and applications to study postnatal development**
Paolo Giacobini (INSERM, Lille)
- 12h20 **Lunch**
- 13h00 **Quantification of fluorescent signal in big 3D object: lessons from X-Rays analysis**
Emmanuel Brun (STROBE Team, Grenoble)
- 13h45 **Segmentation in low signal/noise images from cleared unlabeled heart**
Matthieu Chourout (CarMeN/CRNL, Lyon)
- 14h30 **Whole brain mapping of neuronal activity and axonal projections to study of parental behaviors**
Thomas Topilko (Institut du Cerveau et de la moelle épinière, Paris)
- 15h10 **Break**
- 15h30 **Digital atlas and segmentation of myelin fibers from MRI images**
Marine Breuille (Lymic, Lyon)
- 16h15 **Multimodal imaging for a comprehensive study of neuronal network organization**
Jean-Christophe Deloulme (Institut des Neurosciences, Grenoble)
- 17h00 **Closure**